

**REMARKS**

At the outset, the Examiner is thanked for the thorough review and consideration of the pending application. The Non-Final Office Action dated April 11, 2007 has been received and its contents carefully reviewed.

Claims 1, 2, 7, 11, 21, 24 and 26 are hereby amended. Claims 29 and 30 are canceled. Accordingly, claims 1 to 28 are currently pending. Reexamination and reconsideration of the pending claims are respectfully requested.

In the Office Action, the Title was objected to as not descriptive. Claims 26-30 are objected because of informalities in claim 26. Claims 11-14, 20, 21, and 24 are rejected under 35 U.S.C. 102(b) as being anticipated by Naito, US Pat. No. 6,432,735. Claims 1-9, 15-18, 22-23, 25-28, and 30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Naito in view of Kang et al. (Kang), US Publication No. 2002/0063666. Claim 19 is rejected under 35 U.S.C. 103(a) as being unpatentable over Naito in view of Hasegawa et al. (Hasegawa), US Publication No. 2001/0028335.

The title of the invention is amended to "Electro-luminescence display device having a look-up table and driving method thereof". Hence, the objection regarding the title of the invention is now moot.

Claim 26 has been amended so the objection to claims 26-30 is now moot.

The rejection of claims 11-14, 20, 21 and 24 under 35 U.S.C. 102(b) as being anticipated by Naito is respectively traversed and reconsideration is requested. Applicants respectfully submit that claims 11, 21 and 24 are patentable over Naito. Claim 11 recites a method of driving an electro-luminescence display device including R, G and B cells having different light-emission efficiencies, having a combination of elements including, for example, "converting the Red, Green and Blue N-bit digital data signal into Red, Green and Blue M-bit digital data signals, respectively, wherein each of N and M is an integer, M is greater than N, and each of the Red, Green and Blue M-bit digital data signals corresponds to a gray scale number". Claim 21 recites a method of driving an electro-luminescence display device including R, G and B cells having different light-emission efficiencies, having a combination of elements including, for example, "converting the N-bit digital data signal into a M-bit digital data signal, wherein each of N and M is an integer and M is greater than N". Also, claim 24 recites an electro-luminescence display device including R, G and B cells having different light-emission

efficiencies, having a combination of elements including, for example, “a data converter inputted with a N-bit digital data signal for converting the N-bit digital data signal into a M-bit digital data signal, wherein each of N and M is an integer and M is greater than N”. Naito fails to teach, either expressly or inherently, at least these features of the claimed invention.

The Examiner asserted that ASIC 210 in Naito corresponds to a data converter of the claimed invention because the ASIC 210 receives a N-bit (e.g., 8 bit) digital data signal for converting the N-bit digital data signal into a M-bit signal (e.g., 9 bit or 10 bit). However, the ASIC 210 in Naito converts the N-bit digital data signal into a M-bit to minutely adjust gray level. In contrast, the data converter of claimed invention converts N bit R, G and B data into M bit R, G and B data based upon the light-emission efficiency for each of the R, G and B cells. Accordingly, Applicants respectfully submit that claim 11, 21 and 24, and claims 12-14 and 20 which depend from claims 11, 21 and 24 are not anticipated by Naito because Naito fails to teach, either expressly or inherently, at least these features of the claimed invention.

The rejection of claims 1-9, 15-18, 22-23, 25-28 and 30 under 35U.S.C. 103(a) as being unpatentable over Naito in view of Kang is respectfully traversed and reconsideration is requested.

Claims 15-18, 22-23 and 25-28 depend from claims 11, 21 and 24. As Applicants have presented above, claims 11, 21 and 24 are not anticipated by Naito. Applicants respectfully submit that claims 15-18, 22-23 and 25-28 are patentable over Naito by virtue of their respective dependencies from claims 11, 21 and 24.

Applicants respectfully submit that claims 1-9 are patentable over Naito in view of Kang. Claim 1 recites an electro-luminescence display device including R, G and B cells having different light-emission efficiencies, having a combination of elements including, for example, “a data converter having a look-up table inputted with Red, Green and Blue N-bit digital data signals, the data converter converting the Red, Green and Blue N-bit digital data signals into Red, Green and Blue M-bit digital data signals, respectively, referring to the look-up table, wherein each of N and M is an integer, M is greater than N, and each of the Red, Green and Blue M-bit digital data signals corresponds to a gray scale number”. As Applicants have presented above, claim 1 and claims 2-9 depend from claim 1 are not anticipated by Naito. Further, Kang fails to cure the deficiencies of Naito discussed above. So, none of the cited references including Naito and Kang, singly or in any combination, teaches or suggests at least these features of the claimed invention. Accordingly, Applicants respectfully submit that claims 1-9 are patentable

over Naito in view of Kang.

The rejection of claim 19 under 35 U.S.C. 103(a) as being unpatentable over Naito in view of Kang is respectfully traversed and reconsideration is requested.

Claim 19 depends from claim 11. As Applicants have presented above, claim 11 is not anticipated by Naito, and Hasegawa fails to cure the deficiencies of Naito above. Applicants respectfully submit that claim 19 is patentable over Naito in view of Hasegawa by virtue of dependency from claim 11.

The rejection of claims 10 and 29 under 35 U.S.C. 103(a) as being unpatentable over Naito in view of Kang and Hasegawa are respectfully traversed and reconsideration is requested.

Claim 10 depends from claim 1 and claim 29 is presently cancelled. As Applicants have presented above, claim 1 is not anticipated by Naito. Applicants respectfully submit that claim 10 is patentable over Naito in view of Kang and Hasegawa by virtue of dependency from claim 11.

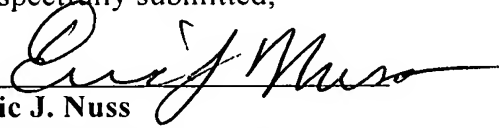
In view of the above, each of the presently pending claims in this application is believed to be in immediate condition for allowance. Accordingly, the Examiner is respectfully requested to pass this application to issue.

If for any reason the Examiner finds the application other than in condition for allowance, the Examiner is requested to call the undersigned attorney at (202) 496-7500 to discuss the steps necessary for placing the application in condition for allowance. All correspondence should continue to be sent to the below-listed address.

If these papers are not considered timely filed by the Patent and Trademark Office, then a petition is hereby made under 37 C.F.R. §1.136, and any additional fees required under 37 C.F.R. §1.136 for any necessary extension of time, or any other fees required to complete the filing of this response, may be charged to Deposit Account No. 50-0911. Please credit any overpayment to deposit Account No. 50-0911. A duplicate copy of this sheet is enclosed.

Dated: **11 July 2007**

Respectfully submitted,

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